Claims

1. A method of making seed capsules by an agglomeration operation comprising wrapping a nucleus/seed in layers of fine particles by:

agitating and tumbling said seeds with material fines in an apparatus for agglomeration.

2. The method of claim 1 wherein prior to agitation and tumbling said seed is sprayed with a binding agent to ensure proper agglomeration.

3. The method of claim 1 wherein said agitating and tumbling overcomes the natural tendencies of said material fines to bind to one another.

4. The method of claim [1] 19 wherein said apparatus is selected from the group consisting of a pan pelletizer, a disk pelletizer or a balling disk.

5. The method of claim [1] 19 wherein said apparatus is a paddle mixer.

6. The method of claim [1] 19 wherein said apparatus is a rotary drum agglomerator.

7. The method of claim [1] 19 wherein said apparatus is a horizontal pan.

8. The method of claim [1] 19 wherein said apparatus is powder blenders.

9. The method of claim [1] 19 wherein said apparatus is a flow-jet mixer.

10. The method of claim [1] 19 wherein said apparatus is a planetary mixer.

11. The method of claim [1] 19 wherein said apparatus is a cone mixer.

12. The method of claim [1] 19 wherein said apparatus is a ribbon mixer.

13. The method of claim [1] 19 wherein said apparatus is a pin type mixer.

14. The method of claim [1] 19 wherein said apparatus is a vertical mixer.

15. The method of claim [1] 19 wherein said apparatus is a pin mixer.

16. The method of claim [1] 19 wherein said apparatus is a cone pelletizer.

17. The method of claim 19 wherein said apparatus is a fluidized bed.

18. The method of claim 19 wherein said method comprises wrapping more than one nucleus/seed in layers of fine particles.

19. (New) A method of making seed capsules in a single apparatus by a tumbling/agitation agglomeration operation comprising:
preconditioning said seed with a binding agent while tumbling said seed;
conditioning said seeds by tumbling said seed in a bed of fine particulate to create layers of matter about said seed.

20. (new) The method of claim 19 wherein said preconditioning comprises spraying a precoated material on said seed and subsequently driving off any binding agent used to apply said particulate layers on said seed.

21. (new) The method of claim 19 wherein said seeds are fed continuously into said apparatus.

22. (new) the method of claim 19 wherein said preconditioning and conditioning steps are repeated to add additional layers to said seed.

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4. The method of claim 19 wherein said apparatus is selected from the group consisting of a pan pelletizer, a disk pelletizer or a balling disk.

5. The method of claim 19 wherein said apparatus is a paddle mixer.

6. The method of claim 19 wherein said apparatus is a rotary drum agglomerator.

7. The method of claim 19 wherein said apparatus is a horizontal pan.

8. The method of claim 19 wherein said apparatus is powder blenders.

9. The method of claim 19 wherein said apparatus is a flow-jet mixer.

10. The method of claim 19 wherein said apparatus is a planetary mixer.

11. The method of claim 19 wherein said apparatus is a cone mixer.

12. The method of claim 19 wherein said apparatus is a ribbon mixer.

13. The method of claim 19 wherein said apparatus is a pin type mixer.

14. The method of claim 19 wherein said apparatus is a vertical mixer.

15. The method of claim 19 wherein said apparatus is a pin mixer.

16. The method of claim 19 wherein said apparatus is a cone pelletizer.

17. The method of claim 19 wherein said apparatus is a fluidized bed.

18. The method of claim 19 wherein said method comprises wrapping more than one nucleus/seed in layers of fine particles.

19. A method of making seed capsules in a single apparatus by a tumbling/agitation agglomeration operation comprising:

preconditioning said seed with a binding agent while tumbling said seed;

conditioning said seeds by tumbling said seed in a bed of fine particulate to create layers of matter about said seed.

20. The method of claim 19 wherein said preconditioning comprises spraying a precoated material on said seed and subsequently driving off any binding agent used to apply said particulate layers on said seed.

21. The method of claim 19 wherein said seeds are feed continuously into said apparatus.

22. The method of claim 19 wherein said preconditioning and conditioning steps are repeated to add additional layers to said seed.